



**APPENDIX OF PENDING CLAIMS
AFTER ENTRY OF THE ABOVE AMENDMENTS**

1. A method of detecting the presence of a bipolar mood disorder susceptibility polymorphism in an individual comprising:

analyzing a sample of DNA from said individual for the presence of a DNA polymorphism on the short arm of chromosome 18 between SAVA5 and ga203 wherein said DNA polymorphism is associated with a form of bipolar mood disorder.

2. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ga203.

3. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of SAVA5 and W3422.

4. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S11 and W3422.

5. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and at201.

6. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ta201.

7. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S59 and ta201.

8. The method of claim 1, wherein said analyzing further comprises
 - a) analyzing DNA samples obtained from family members for the presence of said DNA polymorphism; and
 - b) correlating the presence or absence of the DNA polymorphism with a phenotypic diagnosis of bipolar mood disorder for said individual or for said family members, wherein a correlation is indicative of a bipolar mood disorder susceptibility polymorphism.
9. A method for detecting the presence of a bipolar mood disorder (BP) susceptibility DNA polymorphism in an individual phenotypically diagnosed as having BP, the method comprising:
 - a) typing blood relatives of said individual for a DNA polymorphism located within a 500kb region of chromosome 18, wherein said region is located between and inclusive of SAVA5 and ga203; and
 - b) analyzing a DNA sample from said individual for the presence of said DNA polymorphism, wherein a sharing of said DNA polymorphism in said region between the individual and a blood relative who has been phenotypically diagnosed as having BP is an indication that the polymorphism is a BP susceptibility polymorphism.
10. A method of genetically diagnosing bipolar mood disorder in an individual comprising: analyzing a DNA sample obtained from an individual for the presence of a DNA polymorphism associated with bipolar mood disorder, wherein said DNA polymorphism is located within a 500 kb region of chromosome 18, wherein said region is located between and inclusive of D18S1140 and W3422 SAVA5 and ga203, wherein the presence of said DNA polymorphism is an indication that the individual has bipolar mood disorder.
11. A method of confirming a phenotypic diagnosis of bipolar mood disorder in an individual comprising:
analyzing a DNA sample obtained from an individual phenotypically diagnosed as having bipolar mood disorder for the presence of a DNA polymorphism associated with bipolar mood disorder, wherein said DNA polymorphism is located within a 500 kb region of chromosome 18, wherein said

region is located between and inclusive of SAVA5 and ga203, wherein the presence of said DNA polymorphism confirms a phenotypic diagnosis of bipolar mood disorder.

12. The method of claim 10, wherein said individual has Spanish or Amerindian ancestry.

17. A method for detecting an increased susceptibility to bipolar mood disorder in an individual comprising:

analyzing a sample of DNA from an individual for the presence or absence of a DNA polymorphism associated with bipolar mood disorder on the short arm of chromosome 18 between SAVA5 and ga203 wherein the presence of said DNA polymorphism indicates an increased susceptibility to bipolar mood disorder.

18. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ga203.

19. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of SAVA5 and W3422.

20. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and W3422.

21. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ta201.

22. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S59 and ta201.

23. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ta201.

24. The method of claim 17, wherein said analyzing further comprises:
 - a) analyzing DNA samples obtained from family members of an individual for the presence of said DNA polymorphism; and
 - b) correlating the presence or absence of the DNA polymorphism with a susceptibility to bipolar mood disorder for said individual or for said family members.